

					SEQ. ID NO.
	R3P8	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKK-NH <sub>2</sub>	28	11
5	R3P9*	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKKGGT	31	12
	R3P10	1	HSDAVFTENYTKLRKQLAAKKYLNDLLNGGT	31	13
	R3P11	1	HSDAVFTDNYTKLRKQLAAKKYLNDILNGGT	31	14
	R3P19	1	HSDAVFTENYTKLRKQLAAKKYLNDLKKGGTSWCEPGWCR	39	18
	R3P22	1	HSDAVFTDNYTRLRKQLAAKKYLNSIKKGGT	31	21
10	R3P24	1	HSDAVFTDNYTRLRKQLAAKKYLNDIKNGGT	31	22
	R3P25	1	HSDAVFTDNYTRLRKQLAVKKYLNSIKKGGT	31	23
	R3P26	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKKGGT	31	24
	R3P29	1	HSDAVFTDNYTRLRKQLAVKKYLNDIKNGGT	31	25
	R3P30	1	HSDAVFTDNYTRLRKQLAAKKYLNSIKNGGT	31	26
15	R3P36	1	HSDAVFTDNYTRLRKQLAAKKYLNDIKKKRY	31	32
	rR3P41	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKK	28	33
	rR3P42	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKN	28	34
	rR3P43	1	HSDAVFTDNYTRLRKQMAVKKYLNSILK	28	35
	rR3P44	1	HSDAVFTDNYTELRKQMAVKKYLNSILN	28	36
20	rR3P48	1	HSDAVFTDNYTRLRKQMAVKKYLNDILN	28	40
	rR3P49	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKN	28	41
	rR3P50	1	HSDAVFTDNYTRLRKQMAAKKYLNSILK	28	42
	rR3P51*	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKK	28	43
	rR3P52	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKKKRY	31	44
25	rR3P53*	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKKKR	30	45
	rR3P54	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKKK	29	46
	rR3P55*	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKRY	31	47
	rR3P56	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKKKRY	31	48
	rR3P57	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKKKR	30	49
30	rR3P58	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKKK	29	50
	rR3P59	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKNKRY	31	51
	rR3P60	1	HSDAVFTDNYTRLRKQVAACKKYLQSIKK	28	52
	rR3P61	1	HSDAVFTDNYTRLRKQIAACKKYLQTIKK	28	53
	R3P6	1	HSDGIFTESYSRYRKQMAVKKYLAALKKKRYKQRVKNK	38	57
35	R3P7	1	HSDAVFTENYTRLRKQMAVKKYLNSLKK-NH <sub>2</sub>	28	58
	R3P15	1	HSDGIFTDSYSRYRKQMAVKKYLSAVRHGQT-NH <sub>2</sub>	31	59
	R3P16	1	HSDGIFTDSYSRYRKQMAVKKYLAAVKQGGT-NH <sub>2</sub>	31	60
	R3P17	1	HSDGIFTDSYSRYRKQMAVKKYLAAVKYLAAVRHG-NH <sub>2</sub>	36	61
	R3P23	1	HSDAVFTDNYTRLRKQLAAKKYLNDILKGGT	31	63
40	R3P27	1	HSDAVFTDNYTRLRKQLAAKKYLNDILNGGT	31	64
	R3P28	1	HSDAVFTDNYTRLRKQLAVKKYLNDILKGGT	31	65
	R3P37	1	HSDGIFTDSYSRYRKQLAAKKYLADVKKGGT	31	66
	R3P38	1	HSDGIFTDSYSRYRKQLAAKKYLADVKK	28	67
	R3P39	1	HSDGIFTDSYSRYRKQLAVKKYLAAVKK	28	68
45	R3P40	1	HSDGIFTDSYSRYRKQMAVKKYLAAVKK	28	69
	R3P62	1	HSDAVFTDNYTRLRKQVAACKKYLNSIKK	28	70
	R3P65	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKRY	30	71
	R3P66	1	HSDAVFTDNYTRLRKQVAACKKYLQSIKNKRY	31	72
	R3P67	1	HSDAVFTDNYTRLRKQLAAKKYLNTIKNKRY	31	73
50	R3P68	1	HSDAVFTDNYTRLRKQVAACKKYLNSIKNKRY	31	74
	R3P69	1	HSDAVFTDNYTRLRKQMAAKKYLQSIKNKRY	31	75
	R3P70	1	HSDAVFTDNYTRLRKQMAAKKYLNTIKNKRY	31	76
	R3P71	1	HSDAVFTDQYTRLRKQMAAKKYLNSIKNKRY	31	77
	R3P72	1	HSDAVFTDQYTRLRKQLAAKKYLNTIKNKRY	31	78
55	R3P73	1	HSDAVFTDNYTRLRKQMAAHKYLNSIKNKRY	31	79
	R3P74	1	HSDAVFTDNYTRLRKQMAAHKYLNSIKNKRY	31	80
	R3P75	1	HSDAVFTDQYTRLRKQLAAHKYLNTIKNKRY	31	81
	R3P76	1	HSDAVFTDQYTRLRKQLAAHKYLNTIKNKRY	31	82
	R3P77	1	HSDAVFTDNYTRLRKQVAACKKYLQSIKKKR	30	83
60	R3P78	1	HSDAVFTDNYTRLRKQVAACKKYLNSIKKKR	30	84

004260" E22T2960

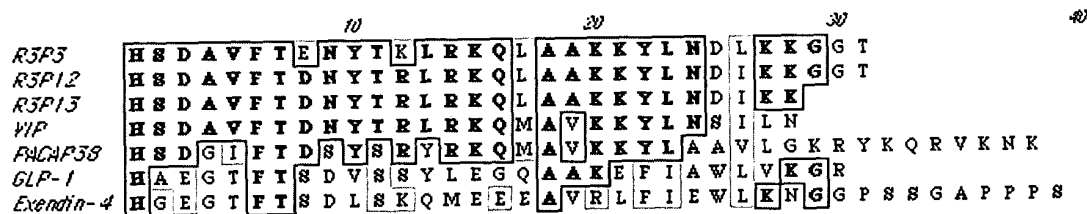
5053CIP2

	R3P79	1	HSDAVFTDNYTRLRKQVAAKKYLNSIKNK	31	85
	R3P80	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKKR	30	86
	R3P81	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKKK	29	87
	R3P82	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKNKRY	31	88
5	R3P83	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKKR	31	89
	R3P84	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKKR	30	90
	R3P85	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKK	29	91
	R3P86	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKNK	29	92
	R3P87	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKKRY	31	93
10	R3P88	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKKR	30	94
	R3P89	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKK	29	95
	R3P91	1	HSDAVFTDNYTRLRKQVAVKKYLQSIKNK	29	96
	R3P92	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKNRY	31	97
	R3P93	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKNR	30	98
15	R3P94	1	HSDAVFTDNYTRLRKQVAAKKYLQSIKN	29	99
	rR3P99	1	HSDAVFTDNYTRLRKQMAEKKYLNSIKNK	30	102
	rR3P100	1	HSDAVFTDNYTRLRKQMAFKKYLNSIKNK	30	103
	rR3P101	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNK	30	104
	rR3P102	1	HSDAVFTDNYTRLRKQMAHKKYLNSIKNK	30	105
20	rR3P103	1	HSDAVFTDNYTRLRKQMAIKKYLNSIKNK	30	106
	rR3P104	1	HSDAVFTDNYTRLRKQMAKKKYLNSIKNK	30	107
	rR3P105	1	HSDAVFTDNYTRLRKQMAKKKYLNSIKNK	30	108
	rR3P106	1	HSDAVFTDNYTRLRKQMAKKKYLNSIKNK	30	109
	rR3P107	1	HSDAVFTDNYTRLRKQMANKKYLNSIKNK	30	110
25	rR3P108	1	HSDAVFTDNYTRLRKQMAPKKYLNSIKNK	30	111
	rR3P109	1	HSDAVFTDNYTRLRKQMAQKKYLNSIKNK	30	112
	rR3P110	1	HSDAVFTDNYTRLRKQMARKKYLNSIKNK	30	113
	rR3P111	1	HSDAVFTDNYTRLRKQMARKKYLNSIKNK	30	114
	rR3P112	1	HSDAVFTDNYTRLRKQMATKKYLNSIKNK	30	115
30	rR3P113	1	HSDAVFTDNYTRLRKQMAVKKYLNSIKNK	30	116
	rR3P114	1	HSDAVFTDNYTRLRKQMAWKKYLNSIKNK	30	117
	rR3P115	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNK	30	118
	rR3P116	1	HSDAVFTDNYTRLRKQMAKKYLNSIANK	30	119
	rR3P118	1	HSDAVFTDNYTRLRKQMAKKYLNSIDNK	30	121
35	rR3P119	1	HSDAVFTDNYTRLRKQMAKKYLNSIENK	30	122
	rR3P120	1	HSDAVFTDNYTRLRKQMAKKYLNSIFNK	30	123
	rR3P121	1	HSDAVFTDNYTRLRKQMAKKYLNSIGNK	30	124
	rR3P122	1	HSDAVFTDNYTRLRKQMAKKYLNSIHNR	30	125
	rR3P123	1	HSDAVFTDNYTRLRKQMAKKYLNSIINK	30	126
40	rR3P124	1	HSDAVFTDNYTRLRKQMAKKYLNSIMNK	30	127
	rR3P125	1	HSDAVFTDNYTRLRKQMAKKYLNSINNKR	30	128
	rR3P126	1	HSDAVFTDNYTRLRKQMAKKYLNSIPNK	30	129
	rR3P127	1	HSDAVFTDNYTRLRKQMAKKYLNSIQNK	30	130
	rR3P128	1	HSDAVFTDNYTRLRKQMAKKYLNSIRNK	30	131
45	rR3P129	1	HSDAVFTDNYTRLRKQMAKKYLNSISNK	30	132
	rR3P130	1	HSDAVFTDNYTRLRKQMAKKYLNSITNK	30	133
	rR3P131	1	HSDAVFTDNYTRLRKQMAKKYLNSIVNK	30	134
	rR3P132	1	HSDAVFTDNYTRLRKQMAKKYLNSIWNK	30	135
	rR3P133	1	HSDAVFTDNYTRLRKQMAKKYLNSIYNK	30	136
50	rR3P134	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNAR	30	137
	rR3P136	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNDR	30	139
	rR3P137	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNER	30	140
	rR3P138	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNFR	30	141
	rR3P139	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNGR	30	142
55	rR3P140	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNHR	30	143
	rR3P141	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNIR	30	144
	rR3P142	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNLR	30	145
	rR3P143	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNMR	30	146
	rR3P144	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNNR	30	147
60	rR3P145	1	HSDAVFTDNYTRLRKQMAKKYLNSIKNPR	30	148

	rR3P146	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNQ	30	149
	rR3P147	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNRR	30	150
	rR3P148	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNSR	30	151
	rR3P149	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNTR	30	152
5	rR3P150	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNVR	30	153
	rR3P151	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNWR	30	154
	rR3P152	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNYR	30	155
	rR3P153	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKA	30	156
	rR3P155	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKD	30	157
10	rR3P156	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKE	30	158
	rR3P157	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKF	30	159
	rR3P158	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKG	30	160
	rR3P159	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKH	30	161
	rR3P160	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKI	30	162
15	rR3P161	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKK	30	163
	rR3P162	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKL	30	164
	rR3P163	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKM	30	165
	rR3P164	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKN	30	166
	rR3P165	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKP	30	167
20	rR3P166	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKQ	30	168
	rR3P167	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKS	30	169
	rR3P168	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKT	30	170
	rR3P169	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKV	30	171
	rR3P170	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKW	30	172
25	rR3P171	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNKY	30	173
	R3P172	1	HSDAVFTDNYTRLRKQVAACKYLQSIKNKRYSWCEPGWCR	39	174
	R3P173	1	HSDAVFTDDYTRLRKEVAACKYLESIKDKRY	31	175
	rR3P174	1	HSDAVFTDNYTRLRKQMAAKKYLNSIKNRI	30	322
	rR3P175	1	HSDAVFTDNYTRLRKQMAKKKYLNSIKNRI	30	323
30	rR3P176	1	HSDAVFTDNYTRLRKQMAKKKYLNSIKNRI	30	324
	rR3P177	1	HSDAVFTDNYTRLRKQMARKKYLNSIKNRI	30	325
	rR3P178	1	HSDAVFTDNYTRLRKQMASKKYLNSIKNRI	30	326
	rR3P179	1	HSDAVFTDNYTRLRKQMAAKKYLNSIPNRI	30	327
	rR3P180	1	HSDAVFTDNYTRLRKQMAGKKYLNSIPNRI	30	328
35	rR3P181	1	HSDAVFTDNYTRLRKQMAKKKYLNSIPNRI	30	329
	rR3P182	1	HSDAVFTDNYTRLRKQMARKKYLNSIPNRI	30	330
	rR3P183	1	HSDAVFTDNYTRLRKQMASKKYLNSIPNRI	30	331
	rR3P184	1	HSDAVFTDNYTRLRKQMAAKKYLNSIQNRI	30	332
	rR3P185	1	HSDAVFTDNYTRLRKQMAGKKYLNSIQNRI	30	333
40	rR3P186	1	HSDAVFTDNYTRLRKQMAKKKYLNSIQNRI	30	334
	rR3P187	1	HSDAVFTDNYTRLRKQMARKKYLNSIQNRI	30	335
	rR3P188	1	HSDAVFTDNYTRLRKQMASKKYLNSIQNRI	30	336
	rR3P189	1	HSDAVFTDNYTRLRKQMAAKKYLNSIRNRI	30	337
	rR3P190	1	HSDAVFTDNYTRLRKQMAGKKYLNSIRNRI	30	338
45	rR3P191	1	HSDAVFTDNYTRLRKQMAKKKYLNSIRNRI	30	339
	rR3P192	1	HSDAVFTDNYTRLRKQMARKKYLNSIRNRI	30	340
	rR3P193	1	HSDAVFTDNYTRLRKQMAKKKYLNSIRNRI	30	341
	PAC1	1	ESDGIFTDSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	176
	PAC2	1	HKDGIFTDSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	177
50	PAC4	1	HSDKIFTDSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	179
	PAC5	1	HSDGKFTDSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	180
	PAC8	1	HSDGIFTKSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	183
	PAC9	1	HSDGIFTDKSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	184
	PAC10	1	HSDGIFTDSKSYSRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	185
55	PAC11	1	HSDGIFTDSYKRYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	186
	PAC12	1	HSDGIFTDSYSEYRKQMAVKKYLA AVL-NH <sub>2</sub>	27	187
	PAC13	1	HSDGIFTDSYSRKRKQMAVKKYLA AVL-NH <sub>2</sub>	27	188
	PAC14	1	HSDGIFTDSYSRYEKQMAVKKYLA AVL-NH <sub>2</sub>	27	189
	PAC15	1	HSDGIFTDSYSRYREQMAVKKYLA AVL-NH <sub>2</sub>	27	190
60	PAC16	1	HSDGIFTDSYSRYRKKMAVKKYLA AVL-NH <sub>2</sub>	27	191

15

Fig. 2



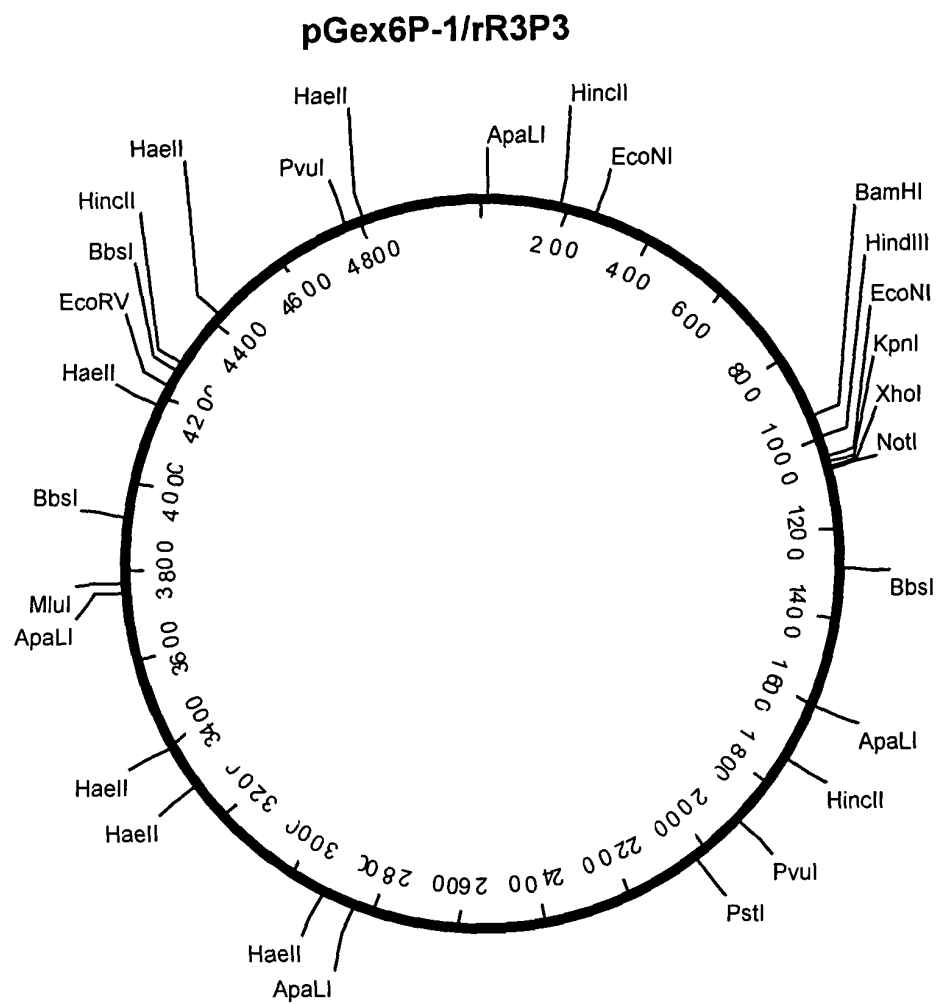


Figure 3

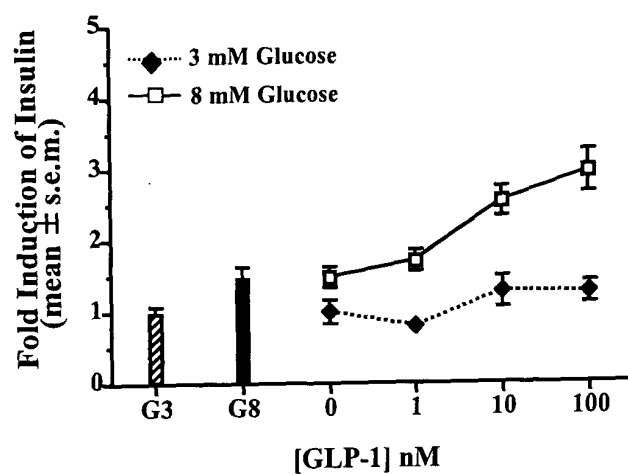


Figure 4A

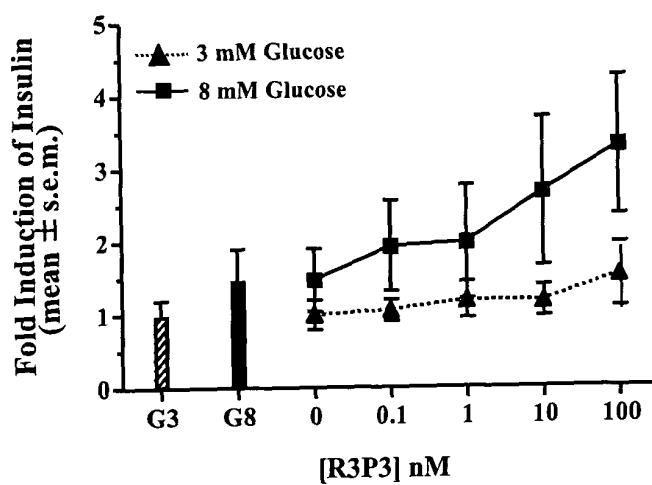


Figure 4B

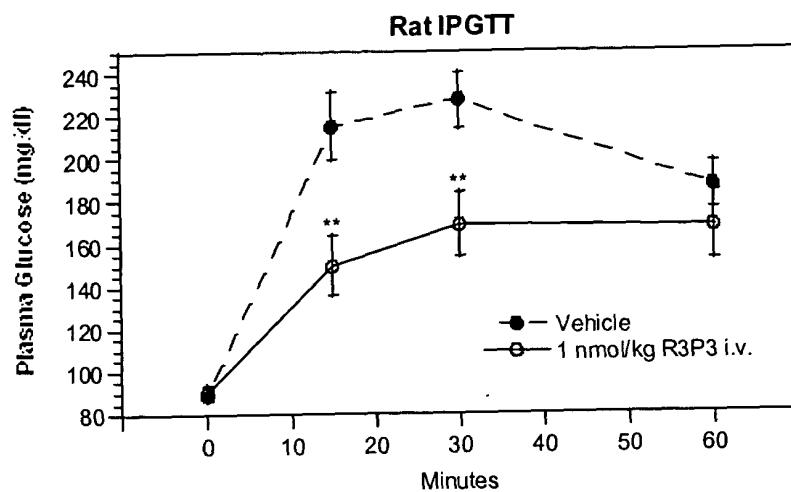


Fig. 5

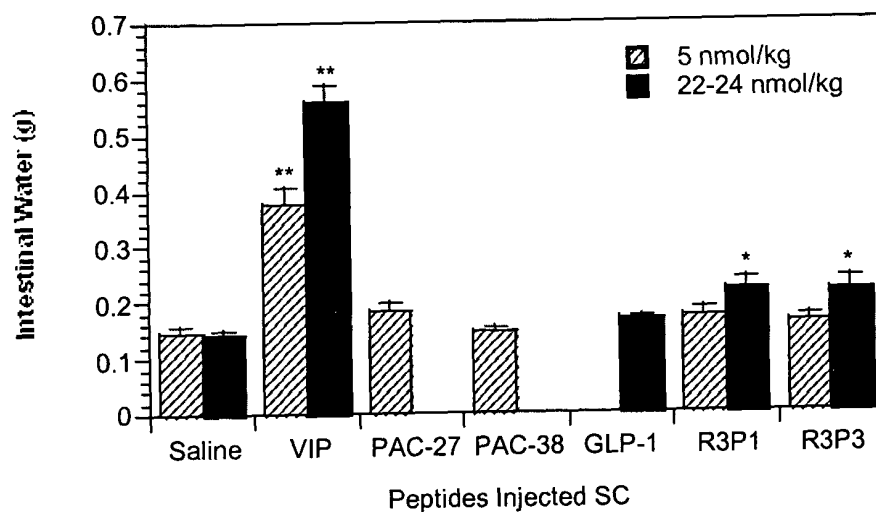


Fig. 6

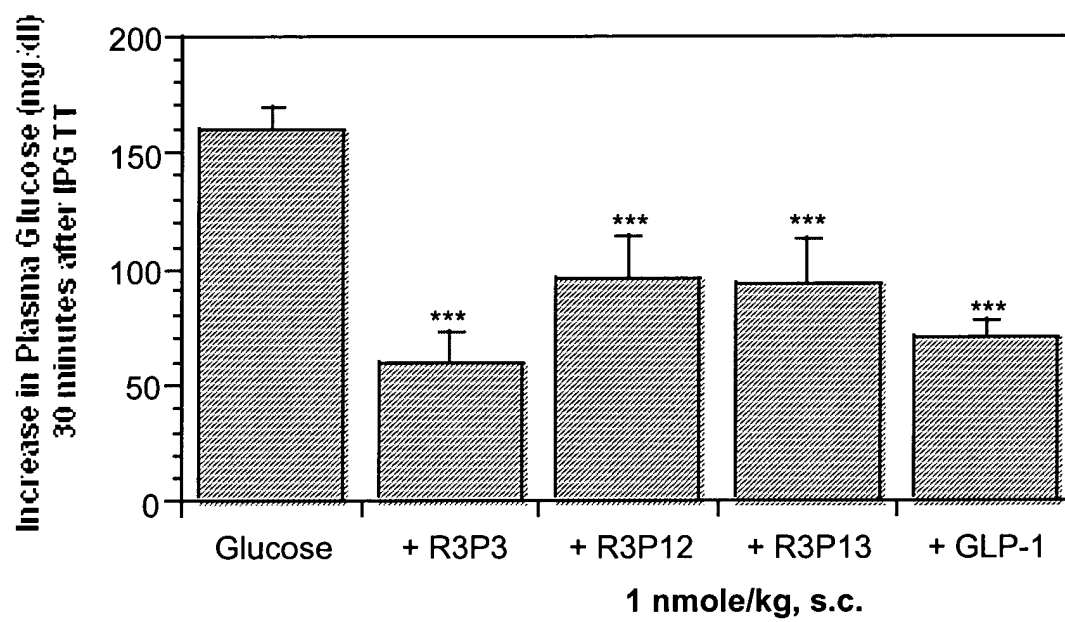


Fig. 7



5 rPACAP 27 (SEQ ID NO: 203)  
 GGATCCATCGAAGGTCGTCACCTCCGATGGTATCTTCACCGACTCCTACTCGAGGTACC  
 GCAAGCAGATGGCTGTAAAGAAATATCTGGCTGCAGTTCTGTAATGACTCGAG

10 rPACAP 38 (SEQ ID NO: 54)  
 GGATCCATCGAAGGTCGTCACCTCCGATGGTATCTTCACCGACTCCTACTCTCGGTACCG  
 CAAGCAGATGGCTGTAAAGAAATATCTGGCTGCAGTCCTAGGCAAACGTTACAAGCAAC  
 GCGTTAAAAACAAGTAATGACTCGAG

15 rVIP (SEQ ID NO: 55)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCCTGAACTAATGACTCGAG

20 rR3P3 (SEQ ID NO: 56)  
 GGATCCATCGAAGGTCGTCACCTCCGATGCTGTTTTACCGAAAACCTACACCAAGCTTCG  
 TAAACAGCTGGCAGCTAAGAAATACCTCAACGACCTGAAAAGGGCGGTACCTAATGAC  
 TCGAG

25 rR3P9 (SEQ ID NO: 204)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCAAGAAAGGCGGTACCTAATGA  
 CTCGAG

30 rR3P12 (SEQ ID NO: 205)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGCTGGCTGCTAAGAAATACCTGAACGACATCAAGAAAGGTGGCACCTAATGA  
 CTCGAG

35 rR3P33 (SEQ ID NO: 206)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGCTGGCTGCTAAGAAATACCTGAACGACATCAAGAAATAATGAC

40 rR3P41 (SEQ ID NO: 207)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCAAGAAATAATGACTCGAG

45 rR3P42 (SEQ ID NO: 208)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCAAGAACTAATGACTCGAG

50 rR3P43 (SEQ ID NO: 209)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCCTGAAATAATGACTCGAG

55 rR3P44 (SEQ ID NO: 210)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGGAACCTGC  
 GTAAACAGATGGCTGTAAAGAAATACCTGAATTCATCCTGAACTAATGACTCGAG

rR3P45 (SEQ ID NO: 211)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTGAACAGATGGCTGTAAAGAAATACCTGAATTCATCCTGAACTAATGACTCGAG

rR3P46 (SEQ ID NO: 212)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGCTGGCTGTAAAGAAATACCTGAATTCATCCTGAACTAATGACTCGAG

5 rR3P47 (SEQ ID NO: 213)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCCTGAACTAATGACTCGAG

10 rR3P48 (SEQ ID NO: 214)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTTAAGAAATACCTGAATGACATCCTGAACTAATGACTCGAG

15 rR3P49 (SEQ ID NO: 215)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAACTAATGACTCGAG

20 rR3P50 (SEQ ID NO: 216)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCCTGAAATAATGACTCGAG

25 rR3P51 (SEQ ID NO: 217)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAAATAATGACTCGAG

30 rR3P52 (SEQ ID NO: 218)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAAAAAGCGTTACTAATGA  
 CTCGAG

35 rR3P53 (SEQ ID NO: 219)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAAAAAGCGTTAATGACTC  
 GAG

40 rR3P54 (SEQ ID NO: 220)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAAAAAGTAATGACTCGAG

45 rR3P55 (SEQ ID NO: 221)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAACAAAGCGTTACTAATGA  
 CTCGAG

50 rR3P56 (SEQ ID NO: 222)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTTAAGAAATACCTGAATTCCATCAAGAAAAAGCGTTACTAATGAC  
 TCGAG

55 rR3P57 (SEQ ID NO: 223)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTTAAGAAATACCTGAATTCCATCAAGAAAAAGCGTTAATGACTC  
 GAG

60 rR3P58 (SEQ ID NO: 224)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTTAAGAAATACCTGAATTCCATCAAGAAAAAGTAATGACTCGAG

65 rR3P59 (SEQ ID NO: 225)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGTTAAGAAATACCTGAATTCCATCAAGAACAAAGCGTTACTAATGAC  
 TCGAG

rR3P60 (SEQ ID NO: 226)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGGTTGCTGCAAAGAAATACCTGCAGTCCATCAAGAAATAATGACTCGAG

5 rR3P61 (SEQ ID NO: 227)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATCGCTGCAAAGAAATACCTGCAGACTATCAAGAAATAATGACTCGAG

rR3P62 (SEQ ID NO: 228)

10 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGGTTGCTGCAAAGAAATACCTGAATTCCATCAAGAAATAATGACTCGAG

rR3P65 (SEQ ID NO: 229)

15 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAA  
TTC

rR3P71 (SEQ ID NO: 230)

20 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACCAGTACACGCGCTTAA  
GAAACAGATGGCTGCAAAGAAATACCTGAATTCCATCAAGAACAAGCGTTACTAATGA  
CTCGAG

rR3P98 (SEQ ID NO: 231)

25 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTGACAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

rR3P99 (SEQ ID NO: 232)

30 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTGAGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

rR3P100 (SEQ ID NO: 233)

35 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTTTCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAATT  
C

rR3P101 (SEQ ID NO: 234)

40 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTGGCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

rR3P102 (SEQ ID NO: 235)

45 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTCACAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

rR3P103 (SEQ ID NO: 236)

50 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTATCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAATT  
C

rR3P104 (SEQ ID NO: 237)

55 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTAAAAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAATT  
C

5 rR3P105 (SEQ ID NO: 238)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTCTGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

10 rR3P106 (SEQ ID NO: 239)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTATGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

15 rR3P107 (SEQ ID NO: 240)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTAACAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

20 rR3P108 (SEQ ID NO: 241)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTCCGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

25 rR3P109 (SEQ ID NO: 242)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTCAGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

30 rR3P110 (SEQ ID NO: 243)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTCGCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

35 rR3P111 (SEQ ID NO: 244)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTTCCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

40 rR3P112 (SEQ ID NO: 245)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTACCAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

45 rR3P113 (SEQ ID NO: 246)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTGTGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

50 rR3P114 (SEQ ID NO: 247)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTTGGAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAAT  
TC

55 rR3P115 (SEQ ID NO: 248)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGCTTAAG  
AAAACAGATGGCTTACAAGAAATACCTGAACTCCATCAAGAACAAGCGTTAATGAGAATT  
C

5 rR3P116 (SEQ ID NO: 249)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGCGAACAAGCGTTAATGAGAA  
 TTC

10 rR3P118 (SEQ ID NO: 250)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGACAACAAGCGTTAATGAGAA  
 TTC

15 rR3P119 (SEQ ID NO: 251)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGAGAACAAGCGTTAATGAGAA  
 TTC

20 rR3P120 (SEQ ID NO: 252)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCTTCAACAAGCGTTAATGAGAA  
 TTC

25 rR3P121 (SEQ ID NO: 253)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGGCAACAAGCGTTAA:GAGAA  
 TTC

30 rR3P122 (SEQ ID NO: 254)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGGCAACAAGCGTTAATGAGAA  
 TTC

35 rR3P123 (SEQ ID NO: 255)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCATCAACAAGCGTTAATGAGAA  
 TTC

40 rR3P124 (SEQ ID NO: 256)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCATGAACAAGCGTTAATGAGAA  
 TTC

45 rR3P125 (SEQ ID NO: 257)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAACAACAAGCGTTAATGAGAA  
 TTC

50 rR3P126 (SEQ ID NO: 258)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCCCGAACAAGCGTTAATGAGAA  
 TTC

55 rR3P127 (SEQ ID NO: 259)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCCAGAACAAGCGTTAATGAGAA  
 TTC

5 rR3P128 (SEQ ID NO: 260)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAGGAACAAGCGTTAATGAGAA  
 TTC

10 rR3P129 (SEQ ID NO: 261)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAGCAACAAGCGTTAATGAGAA  
 TTC

15 rR3P130 (SEQ ID NO: 262)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAGCAACAAGCGTTAATGAGAA  
 TTC

20 rR3P131 (SEQ ID NO: 263)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCGTGAACAAGCGTTAATGAGAA  
 TTC

25 rR3P132 (SEQ ID NO: 264)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCTGGAACAAGCGTTAATGAGAA  
 TTC

30 rR3P133 (SEQ ID NO: 265)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCTACAACAAGCGTTAATGAGAA  
 TTC

35 rR3P134 (SEQ ID NO: 266)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACGCGCGTTAATGAGAA  
 TTC

40 rR3P136 (SEQ ID NO: 267)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACGACCGTTAATGAGAA  
 TTC

45 rR3P137 (SEQ ID NO: 268)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACGAACGTTAATGAGAA  
 TTC

50 rR3P138 (SEQ ID NO: 269)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACTTCCGTTAATGAGAA  
 TTC

55 rR3P139 (SEQ ID NO: 270)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACGGCCGTTAATGAGAA  
 TTC

5 rR3P140 (SEQ ID NO: 271)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCACCGTTAATGAGAA  
TTC

10 rR3P141 (SEQ ID NO: 272)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACATCCGTTAATGAGAA  
TTC

15 rR3P142 (SEQ ID NO: 273)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCCTGCGTTAATGAGAA  
TTC

20 rR3P143 (SEQ ID NO: 274)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACATGCGTTAATGAGAA  
TTC

25 rR3P144 (SEQ ID NO: 275)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAACCGTTAATGAGAA  
TTC

30 rR3P145 (SEQ ID NO: 276)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCCGCGTTAATGAGAA  
TTC

35 rR3P146 (SEQ ID NO: 277)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCAGCGTTAATGAGAA  
TTC

40 rR3P147 (SEQ ID NO: 278)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCGCCGTTAATGAGAA  
TTC

45 rR3P148 (SEQ ID NO: 279)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAGCCGTTAATGAGAA  
TTC

50 rR3P149 (SEQ ID NO: 280)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACACCCGTTAATGAGAA  
TTC

55 rR3P150 (SEQ ID NO: 281)  
GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACGTGCGTTAATGAGAA  
TTC

5 rR3P151 (SEQ ID NO: 282)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACTGGCGTTAATGAGAA  
 TTC

10 rR3P152 (SEQ ID NO: 283)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACTACCGTTAATGAGAA  
 TTC

15 rR3P153 (SEQ ID NO: 284)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGGCGTAATGAGAA  
 TTC

20 rR3P155 (SEQ ID NO: 285)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGGACTAATGAGAA  
 TTC

25 rR3P156 (SEQ ID NO: 286)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGGAGTAATGAGAA  
 TTC

30 rR3P157 (SEQ ID NO: 287)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGTTCTAATGAGAA  
 TTC

35 rR3P158 (SEQ ID NO: 288)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGGGCTAATGAGAA  
 TTC

40 rR3P159 (SEQ ID NO: 289)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGCACTAATGAGAA  
 TTC

45 rR3P160 (SEQ ID NO: 290)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGATCTAATGAGAA  
 TTC

50 rR3P161 (SEQ ID NO: 291)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGTAATGAGAA  
 TTC

55 rR3P162 (SEQ ID NO: 292)  
 GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAAGCTGTAATGAGAA  
 TTC



5 rR3P163 (SEQ ID NO: 293)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGATGTAATGAGAA  
TTC

10 rR3P164 (SEQ ID NO: 294)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGAACTAATGAGAA  
TTC

15 rR3P165 (SEQ ID NO: 295)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGCCGTAATGAGAA  
TTC

20 rR3P166 (SEQ ID NO: 296)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGCAGTAATGAGAA  
TTC

25 rR3P167 (SEQ ID NO: 297)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGAGCTAATGAGAA  
TTC

30 rR3P168 (SEQ ID NO: 298)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGACCTAATGAGAA  
TTC

35 rR3P169 (SEQ ID NO: 299)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGGTGTAATGAGAA  
TTC

40 rR3P170 (SEQ ID NO: 300)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGTGGTAATGAGAA  
TTC

45 rR3P171 (SEQ ID NO: 301)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACAAGTACTAATGAGAA  
TTC

50 rR3P174 (SEQ ID NO: 302)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCAAGAACCCTATCTAATGAGAA  
TTC

55 rR3P175 (SEQ ID NO: 303)  
GGATCCATCGAAGGTCGTCACTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGGCAAAGAAATACCTGAACTCCATCAAGAACCCTATCTAATGAGAA  
TTC

rR3P176 (SEQ ID NO: 304)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTaaaAAGAAATACCTGAACTCCATCAAGAACCGTATCTAATGAGAAT  
 TC

5

rR3P177 (SEQ ID NO: 305)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTcgcAAGAAATACCTGAACTCCATCAAGAACCGTATCTAATGAGAAT  
 TC

10

rR3P178 (SEQ ID NO: 306)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTtccAAGAAATACCTGAACTCCATCAAGAACCGTATCTAATGAGAATT  
 C

15

rR3P179 (SEQ ID NO: 307)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCccgAACCGTATCTAATGAGAAT  
 TC

20

rR3P180 (SEQ ID NO: 308)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTggcAAGAAATACCTGAACTCCATCccgAACCGTATCTAATGAGAATT  
 C

25

rR3P181 (SEQ ID NO: 309)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTaaaAAGAAATACCTGAACTCCATCccgAACCGTATCTAATGAGAATT  
 C

30

rR3P182 (SEQ ID NO: 310)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTcgcAAGAAATACCTGAACTCCATCccgAACCGTATCTAATGAGAATT  
 C

35

rR3P183 (SEQ ID NO: 311)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTtccAAGAAATACCTGAACTCCATCccgAACCGTATCTAATGAGAATT  
 C

40

rR3P184 (SEQ ID NO: 312)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCcagAACCGTATCTAATGAGAAT  
 TC

45

rR3P185 (SEQ ID NO: 313)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTggcAAGAAATACCTGAACTCCATCcagAACCGTATCTAATGAGAATT  
 C

50

rR3P186 (SEQ ID NO: 314)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTaaaAAGAAATACCTGAACTCCATCcagAACCGTATCTAATGAGAATT  
 C

55

rR3P187 (SEQ ID NO: 315)  
 GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
 GTAAACAGATGGCTcgcAAGAAATACCTGAACTCCATCcagAACCGTATCTAATGAGAATT  
 C

60

0067177.092700

rR3P188 (SEQ ID NO: 316)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTtccAAGAAATACCTGAACTCCATCcgAACCGTATCTAATGAGAATT  
C

5

rR3P189 (SEQ ID NO: 317)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTGCAAAGAAATACCTGAACTCCATCcgTAACCGTATCTAATGAGAATT  
C

10

rR3P190 (SEQ ID NO: 318)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTggcAAGAAATACCTGAACTCCATCcgTAACCGTATCTAATGAGAATT  
C

15

rR3P191 (SEQ ID NO: 319)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTaaaAAGAAATACCTGAACTCCATCcgTAACCGTATCTAATGAGAATT  
C

20

rR3P192 (SEQ ID NO: 320)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTcgcAAGAAATACCTGAACTCCATCcgTAACCGTATCTAATGAGAATT  
C

25

rR3P193 (SEQ ID NO: 321)

GGATCCATCGAAGGTCGTCACCTCCGACGCTGTTTTACCGACAACCTACACGCGTCTGC  
GTAAACAGATGGCTtccAAGAAATACCTGAACTCCATCcgTAACCGTATCTAATGAGAATT  
C

30

Figure 8

35

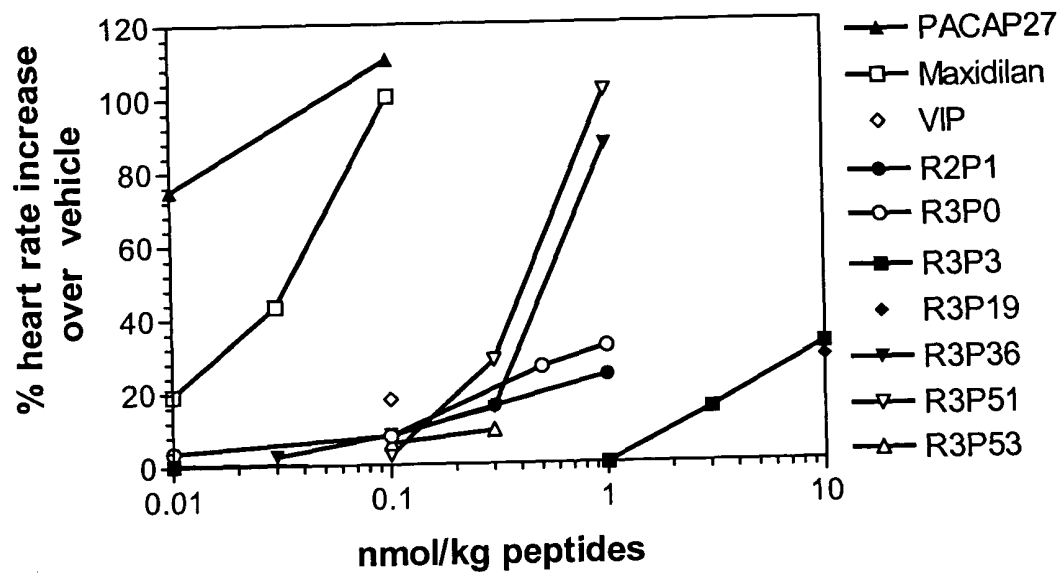


Figure 9

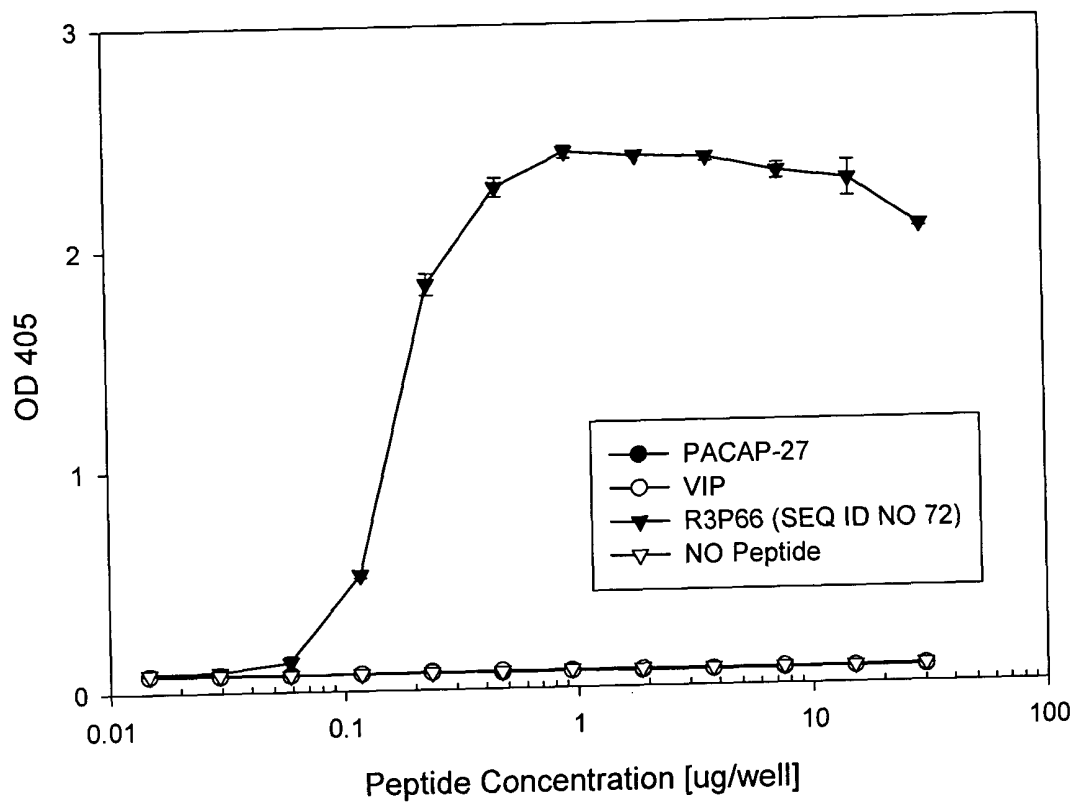


Fig.